**Input Data Sanitization using Regex**

Validate a model is by using Data Annotations. It has a set of attributes and classes defined in the System.ComponentModel.DataAnnotations assembly. Data Annotations allow us to decorate model classes with metadata. This metadata describes a set of rules that are used to validate a property.

For using DataAnnotations, we need to add a reference to the System.ComponentModel.DataAnnotations assembly to model class.

using System.ComponentModel.DataAnnotations;

namespace SampleApplication.Models

{

public class UserModel

{

[Required(ErrorMessage = "Please Enter Email Address")]

[Display(Name = "Email")]

[RegularExpression(@"^([a-zA-Z0-9\_\.\-])+\@(([a-zA-Z0-9\-])+\.)+([a-zA-Z0-9]{2,4})+$",

ErrorMessage = "Please Enter Correct Email Address")]

public string Email { get; set; }

[Required(ErrorMessage = "Please Enter Mobile No")]

[Display(Name = "Mobile")]

[StringLength(10, ErrorMessage = "The Mobile must contains 10 characters", MinimumLength = 10)]

public string MobileNo { get; set; }

}

}

To validate a model explicitly, use ModelState Object in controller. We will check ModelState.IsValid before executing controller code. It will return False whenever the data will not be validated in the model .

Model class will be shown as below:

namespace SampleApplication.Controllers

{

public class UserController : Controller

{

[HttpPost]

public ActionResult ServerMeta(RegistrationMetaModel mRegister)

{

if (ModelState.IsValid)

{

return View("Completed");

}

else

{

return Error();

}

}

}

}

*[Source :* [*https://www.codeproject.com/Articles/827822/Validation-in-MVC*](https://www.codeproject.com/Articles/827822/Validation-in-MVC)*]*